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June 16, 2004, 11:08:12; Search time 49 Seconds (without alignments) 1586.865 Million cell updates/sec
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1 MNFGKINGICALASGIALAG......TDEVEAEAKKQFKDGVIKGW 276
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Copyright (c) 1993 - 2004 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description	Sequence 63386, A	Sequence 2, Appli	Sequence 4, Appli	Sequence 8, Appli	Sequence 10, Appl	Sequence 11067, A	Sequence 58240, A	Sequence 6, Appli	Sequence 67387, A	Sequence 76195, A	Sequence 10050, A	Sequence 43291, A	Sequence 55826, A	Sequence 59600, A	Sequence 68391, A
. QI	US-10-282-122A-63386	US-10-380-817-2	US-10-380-817-4	US-10-380-817-8	US-10-380-817-10	US-09-815-242-11067	US-10-282-122A-58240	US-10-380-817-6	US-10-282-122A-67387	US-10-282-122A-76195	US-09-815-242-10050	US-10-282-122A-43291	US-10-282-122A-55826	US-10-282-122A-59600	US-10-282-122A-68391
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation-the European Bioinformatics Institute. There are no restrictions on its most by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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STRAINS excrypte A1.
Murphy G.L., Whitworth L.C.;
Murphy G.L., Whitworth L.C.;
"Analysis of tandem, multiple genes encoding 30-kDa membrane proteins in Pasteurella haemolytica A1.";
Gene 129:107-111(1993).
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SECURICE FROM N.A.
MEDLINE=94011378; PubMed=8406866;
MEDLINE=94011378; PubMed=8406866;
Cooney B.J., Lo R.Y.C.;
"Three contiguous lipoprotein genes in Pasteurella haemolytica Al which are homologous to a lipoprotein gene in Haemophilus influenzae type b.";
Infect. Immun. 61:4682-4688(1993).
Infect. Immun. 61:4682-4688(1993).
Is SUBCELLULAR LOCATION: Attached to the outer membrane by a lipid anchor (Probable).
Is SIMILARITY: Belongs to the nlpA lipoprotein family.
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Bacteria, Proteobacteria, Gammaproteobacteria, Pasteurellales,
Pasteurellaceae, Mannheimia.
NCBI _TaxID=75985;
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VATC_MOUSE
UDPG_ASTME
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CH62_STRCO
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	•	Sequence 13968, A	Seguence 283, App	Sequence 24, Appl	10,	Sequence 12, Appl		Sequence 291, App		Seguence 3687, Ap	Sequence 6764, Ap	Sequence 5518, Ap	Seguence 360, App	Sequence 358, App	Sequence 394, App	2764	seducince alors	Sequence 4400, Ap
US-09-071-035-22	US-09-252-991A-25420	US-09-489-039A-13968	US-09-634-238-283	US-09-071-035-24	US-09-071-035-10	US-09-071-035-12	US-09-134-000C-5006	US-09-198-452A-291	US-09-489-039A-10023	US-09-134-000C-3687	US-09-328-352-6764	US-09-134-000C-5518	US-09-071-035-360	US-09-071-035-358	178-09-071-035-394	100000000000000000000000000000000000000	US-09-134-000C-5764	US-09-134-001C-4400
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ALIGNMENTS

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Sequence 12337, Application US/09489039A

Sequence 12373, Application US/09489039A

Sequence 1237, Application US/09489039A

Sequence 1237, Application US/09489039A

Patent No. 6610836

Patent No. 6610816

APPLICANT: Gary Breton et. al

APPLICANT: Gary Breton et. al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

TITLE OF INVENTION: NUCLEIC ACID AND THERAPEUTICS

FILE REFERENCE: 2709.2004001

CURRENT APPLICATION NUMBER: US 60/117,747

PRIOR APPLICATION NUMBER: US 60/117,747

PRIOR PLING DATE: 1999-01-29

NUMBER OF SEQ ID NOS: 14342

SEQ ID NO 12337

LENGTH: 289
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 56.1%; Score 775.5; DB 4; Length 289; Best Local Similarity 55.2%; Pred. No. 3.3e-73; Matches 153; Conservative 45; Mismatches 68; Indels 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            240 ADNKDSKAIQDFVKAYQTDEVEAEAKKOFKDGVIKGW 276
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US-09-543-681A-6534
Sequence 6534, Application US/09543681A
Parent No. 6605709
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12337
RESULT 1
US-09-489-039A-12337
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Q7vv70 bordetella Q921x5 rhizobium m Q921x5 rhizobium m Q921x5 rhizobium selected fusobacteri Q98dal rhizobium l Q80-20 agrobacteri Q80-20 bracella selecteri Q90-20 campylobact Q90-20 enterococcus Q90-20 fileteria in Q92-25 listeria in Q92-31 listeria mo Q92-31 listeria mo

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Q8941 legionella
Q890x1 ralstonia s
Q8y0x1 ralstonia s
Q8y0x1 ralstonia s
Q8y0x9 brucella me
Q8v82 bordetella
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1 MNPGKINGICALASGIALAG......TDEVEABAKKQFKDGVIKGW
                  GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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ALIGNMENTS

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PRT; 270 AA.	<pre>c. created) c. Last sequence update)</pre>	25, Last annotation update)	orocein.		Bacteria; Proteobacteria; Gammaproteobacteria; Pasteurellales;	· sn		. 40	Ray W.C., Mahairas G., Sabo P., Mungur R.,	,	"The complete genome sequence of Haemophilus ducreyi.";	co tne EMBL/GenBank/DDBJ databases. 1966 1	e EO EO	MW; FC077F10B13304AD CRC64;	; Score 958.5; DB 16; Length 270; ; Pred. No. 1.4e-53; 34; Mismatches 36; Indels 5; Gaps	SPECAVAEVAGOVAK	:	DYAMPINSAVSKGELDANAMQHKPYLEKDSQEKGLNNLVIVGNTFVYPLAGYSTKIKTLNE		FTLDIVENPKKLVIKEVDTSV	Section 1.
PRELIMINARY;	(TrEMBLrel. 25, (TrEMBLrel. 25,		membrane ilpoprocein. 100.	ducreyi.	roteobacteria;	ceae; naemopnilus 730:		SEQUENCE FROM N.A. STRAIN=35000HP / ATCC 700724.	Jr., Ray W.C.,	Nguyen D., Wan	te genome seque	Led (JUN-2003) to the AE017153: AAP95966.1.	Complete prot	SEQUENCE 270 AA; 29535 MW;	Similarity 71.5%; 38; Conservative	IALAGCSNQSNEPAA	ALTGCKPANNO	AMPNSAVSKGELDAN		OGATIAVPNDPSNLA	-
JLT 1 493 Q7VM93 Q7VM93;	01-0CT-2003	01-OCT-2003	HLPA OR HD1100.	Haemophilus ducreyi.	Bacteria; Proteol	NCBI TaxID=730:	[1]	SEQUENCE FROM N.A. STRAIN=35000HP / A	Munson R.S. Jr.,	Johnson L.,	"The complet	EMBL: AB017	Lipoprotein	SEQUENCE	Query Match Best Local Simi Matches 188;	14 SG	13 STI	74 DY	7XG 69	134 LKD	
RESULT Q7VM93 ID Q	F F	F F	88	SO	2 8	38	Z.	R P	RA.	R.	RT	2 2	Š	Š	Z A Z	ò	q	ò	g	ð.	ź

Run on:

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The present sequence is that of BASBIII protein from Moraxella catarrhalis strain MC2931 (ATCC 43617), a causative agent of otitis media in children and pneumonia in adults. The invention provides BASBIII polypeptides, and polymucleotides encoding them, as well as expression vectors, host cells and methods for producing BASBIII polypeptides and methods for producing BASBIII polypeptides using recombinant methods. Also claimed is a vaccine composition comprising a BASBIII polypeptide, an immunogenic fragment of a BASBIII polypeptide, or a polypeptide at least 85% amino acid sequence identity to a BASBIII, or comprising a polymucleotide encoding such a polypeptide, or claimed a polymosing a MassBIII polypeptide or antibody. A claimed therapeutic composition useful in treating humans with M. catarrhalis infection comprises at least 1
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Enterococ
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Lactococc
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Pseudomon
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BASB111; infection; otitis media; pneumonia; diagnosis; therapy; antibacterial; antimicrobial; vaccine.
Abu23277
Abb53625
Abu38517
Abu38517
Abu38520
Abu38520
Abu39505
Abu41435
Abu41435
Abv60024
Abu482703
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                 ABB53625
ABU36176
ABU36176
ABU36170
ABU3620
AAU3620
ABU26020
ABU26020
ABU202020
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; Page 63; 79pp; English
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N-PSDB; AAF30040.
     WO200100837-A1
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Copyright (c) 1993 - 2004 Compugen Ltd.
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